

What is claimed is:

1. A laundry drier having a heater control circuit, the heater control circuit
2 comprising:

3 a heater for being driven by a plurality of high voltages via a plurality of heater
4 drivers;

5 a microcomputer for outputting a control signal according to a user input, the control
6 signal determining the high voltage drive of said heater; and

7 a heater control interface for generating a plurality of heater control signals
8 corresponding to the plurality of high voltages, based on the control signal of said
9 microcomputer, the plurality of heater control signals selectively enabling only one of the
10 plurality of heater drivers.

1. 2. The apparatus as claimed in claim 1, wherein the plurality of heater drivers
2 consists of enabled and disabled heater drivers.

1. 3. The apparatus as claimed in claim 2, wherein said heater control interface
2 comprises a switching circuit for selectively outputting only one of the plurality of heater
3 control signals as a first logic level signal for enabling only one of the plurality of heater
4 drivers.

1. 4. The apparatus as claimed in claim 3, wherein said switching circuit outputs a
2 second logic level signal to the disabled heater drivers.

1 5. The apparatus as claimed in claim 3, wherein said switching circuit
2 comprises a form C contact relay.

1 6. The apparatus as claimed in claim 1, wherein the outputted control signal of
2 said microcomputer is output from a plurality of logical output ports.

1 7. The apparatus as claimed in claim 6, further comprising a current buffer
2 having outputs corresponding to logic states the plurality of logical output ports of said
3 microcomputer.

1 8. The apparatus as claimed in claim 6, wherein the control signal output
2 comprises first and second output ports, the first output port having a logic state determining
3 the high voltage drive of said heater and the second output port held at a fixed value.

1 9. The apparatus as claimed in claim 8, wherein the fixed value of the second
2 output port of said microcomputer is a logic low.